



U.S. ARMY CHEMICAL
MATERIALS AGENCY

FACT SHEET

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Umatilla Chemical Depot

Agents and Munitions

Agents

Agent	Invented	Appearance	Rate of action	Physical effect
GB (sarin)	Nerve agent created in 1938 by Germans doing pesticide research	Clear to straw-colored liquid that spreads as vapor or droplets	Very rapid; seconds to minutes	Inhibits the enzyme acetylcholinesterase, causing muscle groups to contract uncontrollably
VX	Nerve agent created in 1950s in Britain; more potent than sarin	Oily liquid that evaporates more slowly than sarin	Very rapid; seconds to minutes	Inhibits the enzyme acetylcholinesterase, causing muscle groups to contract uncontrollably
HD (mustard)	Blister agent created in 1822 by Belgian scientist	Consistency similar to motor oil; smells of mustard or garlic	Delayed; hours	Blisters skin, eyes, lungs; can be fatal if inhaled

Munitions

For more information,
contact the
**Umatilla Chemical Disposal
Outreach Office**
190 E. Main St.
Hermiston, OR 97838
Phone: (541) 564-9339
Fax: (541) 564-9532

or contact the
Public Affairs Office
(541) 564-5312

or the
CMA Public Affairs Office
(800) 488-0648



500-pound bomb

Dropped from a plane
Agent weight: 108 lbs.



8-inch artillery shell

Shot from a howitzer
Agent weight: 14-16 lbs.



Spray tank

Attached to a plane
Agent weight: 1,356 lbs.



750-pound bomb

Dropped from a plane
Agent weight: 220 lbs.



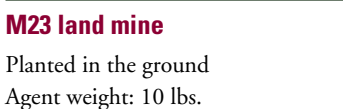
155mm artillery shell

Shot from a howitzer
Agent weight: 6-7 lbs.



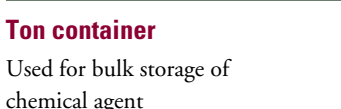
M55 rocket

Shot from a launching tube
Agent weight: 9-10 lbs.



M23 land mine

Planted in the ground
Agent weight: 10 lbs.



Ton container

Used for bulk storage of
chemical agent
Agent weight: 1,500-1,700 lbs.